

0/9/11 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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09653835 SUPPLIER NUMBER: 19039609 (THIS IS THE FULL TEXT)  
Couriers deliver new 'net services. (Federal Express, United Parcel Service, others offering services via the Web) (Company Business and Marketing)  
Hoffman, Thomas; Nash, Kim S.  
Computerworld, v31, n1, p2(1)  
Jan 6, 1997  
ISSN: 0010-4841 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 614 LINE COUNT: 00050

ABSTRACT: Leading couriers such as Federal Express (FedEx) and United Parcel Service (UPS) are rapidly expanding their Web-based services, offering advanced package-tracking applications and tools that led their customers into new lines of business in addition to saving money. Monorail Inc, a start-up PC vendor that pays FedEx to manage product ordering and delivery. Its entire business model relies on the courier's online logistics services, with orders made over FedEx's proprietary networks and an Internet version planned for the near future. This scheme lets Monorail avoid 'middleman' distributors and eliminate the need to maintain inventory, allowing it to sell products for a lower price than competitors. FedEx claims it is the only delivery company to let customers prepare shipping documents and use the Internet to request pickup. UPS has created an interactive Web site that handles 30,000 online tracking requests every day.

TEXT:

The simple package-tracking services that made FedEx and other carriers the talk of the Internet town six months ago are nothing compared with the carriers plans for 1997.

Rivals such as Federal Express Corp. and United Parcel Service, Inc. are building workhorse applications for the World Wide Web that, in some cases, are leading their customers into lines of business that wouldn't have been feasible otherwise.

A prime example of how far the shippers will go for market share is FedEx customer Monorail, Inc., an Atlanta start-up that sells PCs that cost less than \$1,000. Monorail's business model relies on FedEx's online logistics services.

Monorail pays FedEx to manage its ordering and delivery of PCs. The systems were designed to fit inside FedEx's 19- by 19-in. standard cardboard box. The orders are made over FedEx's proprietary networks, but an Internet version is in the works for this year.

NO MIDDLEMEN

The deal means Monorail skirts middlemen distributors and doesn't have to keep inventory. Dave Hocker, a Monorail co-founder, declined to detail the savings but said the company wouldn't be in business without that kind of arrangement.

"We started the company with a business model rather than a product. The notion of using FedEx was integral," Hocker said.

Monorail is eager to see FedEx move those services to the Internet. "We dream of the day when a dealer doesn't have to call FedEx but can just send an E-mail," Hocker said.

FedEx also claims to be the only delivery company to let customers prepare shipping documents and request pickup via the Internet. At FedEx's Web site ([www.fedex.com](http://www.fedex.com)), customers can fill in shipping data on a Hypertext Markup Language form and print it, along with a freshly generated bar code, on a local laser printer. They can then send electronic mail to a courier to schedule pickup.

Internet services are also helping package carriers slash support costs.

Having launched its interactive Web site in May 1995 ([www.ups.com](http://www.ups.com)), UPS now handles 30,000 online tracking requests daily, said Rakesh Sapra,

manager of interactive marketing at UPS. Because it costs the Atlanta-based carrier \$1 for every tracking request handled through its toll-free voice service, UPS figures the Web service saves \$4 million to \$6 million per year in tracking costs alone, said Tom Hoffmann, Web site manager at UPS.

#### RAPID RETURN

That's a pretty good return on the \$4 million that UPS has socked into its Sun Microsystems, Inc. Web hardware, software and personnel since it launched its first static site three years ago.

Other UPS Web applications include a time-in-transit calculator and a drop-off locator, which lets users plug in a ZIP code to locate drop-off locations.

But a smaller delivery firm, RPS, Inc. formerly Roadway Package System in Pittsburgh, may have the lead in innovation.

Besides having online package tracking ([www.shiprps.com](http://www.shiprps.com)), RPS in the next few months plans to introduce "pre-alerts" on the Web for cash-on-delivery packages. RPS will notify customers via Internet mail regarding how much an incoming package will cost at delivery and when it will arrive, said Bram Johnson, vice president of marketing and strategic planning.

"We think the Internet is life it's a means of providing sophisticated services to small customers that we already provide to large customers" through PC software-based logistics services, Johnson said.

Today, 30% of RPS' sales are from proprietary and Internet electronic data interchange services. Three years ago, those sales totaled less than 2%, Johnson said.

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COMPANY NAMES: Federal Express Corp.--Services; United Parcel Service of America Inc.--Services

INDUSTRY CODES/NAMES: BUSN Any type of business; CMPT Computers and Office Automation

DESCRIPTORS: Internet--Services; Courier services--Services

PRODUCT/INDUSTRY NAMES: 4213800 (Intercity Parcel Delivery Svcs)

SIC CODES: 4215 Courier services, except by air

TICKER SYMBOLS: FDX

FILE SEGMENT: CD File 275

?

10/6,K/2 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

00825167 \*\*Image available\*\*  
DELIVERY TERMINAL AND NETWORK COMPRISING THE SAME  
CENTRAL DE DISTRIBUTION ET RESEAU L'INCLUANT  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 12933  
Publication Year: 2001

Fulltext Availability:  
Detailed Description  
Claims

#### Detailed Description

... of the postal item does not coincide with the presence of the addressee at the address , it cannot be delivered, and the addressee usually has to recourse to collecting the item...

...postal item, such carriers must coordinate with the sender to be able to physically  
To address some of the problems associated with the collection of mail, automated mail processing systems have...

...its arrival, and cannot in any case have the postal item redirected to a different address if he so wishes. These factors are still the source of considerable delivery problems even...means comprising at least one delivery port means and a plurality of addresses, each said address capable of retrievably storing at least one postal item associated with an addressee control means for associating an addressee with a corresponding said address storing said at least one postal item associated with said addressee, and for associating said correspondmg address with one said delivery port means;  
user interface means operatively connected to said control means...

...as said addressee associated with said at least one postal item stored in said corresponding address ; via said identification means as said addressee associated with said at least one postal item stored in said corresponding address , wherein 'in said closed position said at least one delivery port means substantially prevents access...

...communication is provided exclusively between said at least one delivery port means and said corresponding address storing said at least one postal item associated with said addressee such as to enable... operatively connected to said control means for transporting each said postal item to a suitable address within said first storage means, and the transport means may comprise, among others, a robotic arm arrangement, or a suitable conveyor arrangement for the said addresses, wherein each said address may be selectively be brought into registry with a said delivery port means.

I 0...

...a plurality of delivery port means, each delivery port means being coupled to a said address of said first storage means. Inn either case, each

delivery port means comprises an automated...

...means enables association of a postal item collected by said collection means with a corresponding address storing the at least one postal item. The said inlet port means may also enable...one postal item, and comprises:

control means for associating an addressee with a corresponding said address storing said at least one postal item associated with said addressee, and for associating said corresponding address with one said delivery port

means;

user interface means operatively connected to said control means...

...as said addressee associated with said at least one postal item stored 'in said corresponding address ; said at least one delivery port means being selectively openable from a closed position to...

...as said addressee associated with said at least one postal item stored in said corresponding address , wherein in said closed position said at least one delivery port means substantially prevents access...

...communication is provided exclusively between said at least one delivery port means and said corresponding address storing said at least one postal item associated with said addressee such as to enable...

...and simply require the user to input some personal details, for example his name and address , followed by a personal identification number (PIN) known only to him and the central controller...and storage area (262) are adapted for seizing each postal item (I 0), reading the bar code information thereon via scanner means, for example, and retrievably storing each postal item (I 0) at a predetermined address within the storage area (262), by using a suitable robot means within the storage area...

...transport staff may manually sort the postal items (10) and place each one in an address within the storage area (260). These addresses may be predetermined by the control means (269)...

...the infrastructure (500) is thus directed to place each postal item (10) at a particular address . Alternatively, the delivery staff may place the postal items (10) in either a common temporary...

...the machine readable code thereon, and then transporting the postal item (10) to a predetermined address within the storage area (262). The addresses within the storage area (262) may comprise, a...

...described) and the authorised user opens the appropriate delivery port (264) coupled to the particular address when wishing to retrieve the postal item (10). Such a system is superior to regular...

...to by the control unit (269) and/or the central controller (400). Furthermore each physical " address " may be utilised to the full by being available to selectively deliver postal items (10)...Optionally, the processing means (360) further comprise scanner means (370) for scanning the name and address , and optionally any other relevant details, of the addressee on the postal item (10), and...of said collection terminal (300) as hereinbefore described, mutatis mutandis, for scanning the name and address and other relevant details of the addressee on the postal item (10), and/or any...

...300) having appropriate capacities may service a whole street, for example. In buildings such as apartment blocks, condominiums, office blocks, hospitals and so on, one or more delivery terminals (200) and...

...100) also provides a great deal of flexibility to users, who may rent a user address within any delivery terminal (200) and /or any collection terminal (300) for any period that is convenient, merely by logging into the network (100) and "renting" the desired user address within one or more desired delivery terminals (200) and/or collection terminals (300). Such user...use, in which each user is allocated a physical box in which he may receive mail. In such "postal box" systems, there may be a considerable waiting list for obtaining one ...

...the network (100). Therefore, the central controller (400) can instruct the infrastructure (500) not to deliver any more postal items (10) to a particular "full" delivery terminal (200), and to instead deliver them to another convenient nearest to the addressee.

As has been described earlier, the processing...

...the location of the postal item (10) to the central controller by means of the bar code carried thereby, whenever it leaves any domain (such as a collection terminal (300), delivery terminal...

...so on, enabling fax messages to be received from and sent to virtually any desired address. One very important advantage 'in using the network (100) for receiving faxes lies, for...

...or more different delivery terminals (200), and/or to redirect the fax to an email address, and/or to redirect the fax to any. Similarly, users may also optionally post or...or he can instruct the central controller (400) to redirect the electronic mail to an address outside the network (100), say via a suitable computer network (850).

Thus the network (100...

...the outstanding bill from the service corporation (870) and this is placed in an appropriate address in the delivery terminal (200) until collected by the user.

Preferably, though, the user is...

...delivery terminal (200) and/or to send it as an email message to a particular address and/or to fax the bill to whatever place he wishes.

Furthermore, and conveniently for...

#### Claim

... means comprising at least one delivery port means and a plurality of addresses, each said address capable of retrievably storing at least one postal item associated with an addressee; control means for associating an addressee with a corresponding said address storing said at least one postal item associated with said addressee, and for associating said corresponding address with one said delivery port means; user interface means operatively connected to said control means...

...as said addressee associated with id at least one postal item stored in said corresponding address; said at least one delivery port means being selectively openable from a

closed position...

...as said addressee associated with said at least one postal item stored in said corresponding address, wherein in said closed position said at least one delivery port means substantially prevents access...

...communication is provided exclusively between said at least one delivery port means and said corresponding address storing said at least one postal item associated with said addressee such as to enable...

...operatively connected to said control means for transporting each said postal item to a suitable address within said first storage means.

22 A delivery terminal as claimed in claim 21, wherein...

...said transport means comprises a suitable conveyor arrangement for the said addresses, wherein each said address may be selectively be brought into registry with a said delivery port means.

24 A...

...a plurality of delivery port means, each delivery port means being coupled to a said address of said first storage means.  
26 A delivery terminal as claimed in claim 25, wherein...enables association of a postal item collected by said collection means with a corresponding said address storing said at least one postal item.

40 A delivery terminal as claimed in...

10/9/6 (Item 1 from file: 636)  
DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
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03948253 Supplier Number: 50272217 (THIS IS THE FULLTEXT)  
Pitney Bowes Takes On UPS In Net Document Delivery 08/24/98  
Newsbytes, pN/A  
August 24, 1998  
Language: English Record Type: Fulltext  
Article Type: Article  
Document Type: Newswire; General Trade  
Word Count: 705

TEXT:

STAMFORD, CONNECTICUT, U.S.A., 1998 AUG 24 (NB) -- By Bob Woods, Newsbytes. The Internet document delivery market is a lot hotter now, ever since postage meter giant Pitney Bowes Inc. [NYSE:PBI] entered a market that, until now, only contained United Parcel Service (UPS).

Pitney Bowes said it will use Tumbleweed Software Corp.'s Posta technology platform as the foundation for its new "iSend" service.

iSend will reportedly allow businesses of all sizes to send and track the delivery of any file securely and reliably to anyone with e-mail and Web access, officials said. Pitney Bowes' new service "complements existing e-mail," company officials said, "and it offers an around the clock alternative to expensive overnight package delivery and local courier services" -- a direct jab at the UPS's of the world.

iSend combines the availability of e-mail for notification with the more robust file transfer capabilities of the Web, Pitney Bowes said. The service does not require special software or proprietary protocols. Plus, iSend integrates Adobe Acrobat software, which automatically converts files into a Portable Document Format (PDF), so the document can easily be viewed regardless of shared applications between the sender and recipient.

Pricing was not immediately available. The service is now available through Pitney Bowes' Web site, at <http://www.pitneybowes.com>.

Pitney Bowes' service will go head-to-head with one being marketed by UPS, which ironically also uses Tumbleweed's Posta technology, among others (Newsbytes, Jun. 15, 1998). The new UPS Document Exchange is described as a "suite of delivery and information management services that industry watchers believe will transform the way companies send and receive their most critical business information."

UPS Document Exchange currently provides a choice of two Internet delivery services, UPS OnLine Courier and UPS OnLine Dossier. UPS OnLine Courier uses either UPS' Web site or a separate software package, and allows customers to send documents to anyone, regardless of the e-mail software package, operating system or hardware being used on either side of the delivery process. UPS OnLine Dossier, an insured service, takes UPS OnLine Courier a step further by featuring a unique double encryption process. UPS OnLine Dossier authenticates identities using digital certificates, which are required by both sender and receiver, along with third party validation.

Rates per transaction for UPS's services within North America range from \$1.00 to \$7.00, and from North America to any other location range from \$1.50 to \$12.00. Volume discounts are available to any UPS Document Exchange customer, and bring the cost to as low as 60 cents per transaction within North America.

Pitney Bowes also faces competition in its traditional postage meter market from upstart companies promising postage delivery via the Internet. E-Stamp Corp., for example, secured a total of \$16 million in equity investments to create demand, establish distribution channels and build infrastructure for its online postage products (Newsbytes, Jul. 20, 1998). E-Stamp's Internet Postage, initially targeted at small businesses, lets users buy postage via the Internet and print these stamps on envelopes, labels or onto a document using a PC and standard printer.

Earlier this month, Cylink Corp. said it secured a contract with the US Postal Service (USPS) for the supply of its public key infrastructure (PKI) technology (Newsbytes, Aug. 14, 1998). Plans call for the USPS to

allow customers to pay for and download, via the Internet, "postage stamps" that will take the form of a two-dimensional bar code and will be printed on the user's envelope.

But Pitney Bowes may have the last laugh in the Net-delivered postage market. The company last week claimed that other companies wanting to market computer-based postage dispensing products need to license technologies Pitney says it already patented (Newsbytes, Aug. 20, 1998). The firm said it originally filed for computer metering patents in the 1980's but says it has always licensed its patents to competitors, so it is not anti-competitive. The firm says it will exchange its licenses for other technologies, for royalties or for a combination.

Pitney Bowes today makes 86 percent of the postage meters used in the US.

Reported By Newsbytes News Network: <http://www.newsbytes.com> .

(19980824/Press Contacts: Steve Katz or Jennifer Slackman, Pitney Bowes, 212-684-6300; Rachel Boes, Tumbleweed Software, 650-569-3686 /WIRES ONLINE, BUSINESS/)

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Published semi-weekly. Contact Newsbytes, 406 West Olive Street, Stillwater, MN 55082-4945. Phone (612) 430-1100. FAX (612) 430-0441.

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PUBLISHER NAME: Newsbytes News Network

COMPANY NAMES: \*Pitney Bowes Inc.; Tumbleweed Software Corp.

EVENT NAMES: \*430 (Capital expenditures); 613 (New orders received)

GEOGRAPHIC NAMES: \*1USA (United States)

PRODUCT NAMES: \*3579000 (Business Machines NEC); 7372605 (Electronic Mail Software)

INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation); TELC (Telecommunications)

NAICS CODES: 333313 (Office Machinery Manufacturing); 51121 (Software Publishers)

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10/6,K/6 (Item 1 from file: 636)  
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03948253 Supplier Number: 50272217 (USE FORMAT 7 FOR FULLTEXT)  
Pitney Bowes Takes On UPS In Net Document Delivery 08/24/98  
August 24, 1998  
Word Count: 705

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...meter giant Pitney Bowes Inc. [NYSE:PBI] entered a market that, until now, only contained United Parcel Service (UPS).  
... at the UPS's of the world.

iSend combines the availability of e-mail for notification with the more robust file transfer capabilities of the Web, Pitney Bowes said. The service...

...Earlier this month, Cylink Corp. said it secured a contract with the US Postal Service ( USPS ) for the supply of its public key infrastructure (PKI) technology (Newsbytes, Aug. 14, 1998). Plans call for the USPS to allow customers to pay for and download, via the Internet, "postage stamps" that will take the form of a two-dimensional bar code and will be printed on the user's envelope.

But Pitney Bowes may have the...

PRODUCT NAMES: 3579000 (Business Machines NEC); 7372605 ( Electronic Mail Software)

10/6,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:(c) 2003 ProQuest Info&Learning. All rts. reserv.

01350104 00-01091

\*\*USE FORMAT 9 FOR FULL TEXT\*\*

Couriers deliver new 'net services

Jan 6, 1997 LENGTH: 1 Pages

WORD COUNT: 614

ABSTRACT: A prime example of how far shippers such as Federal Express Corp. and United Parcel Service Inc. will go for market share is FedEx customer Monorail Inc., a start-up that...

...TEXT: six months ago are nothing compared with the carriers' plans for 1997.

Rivals such as Federal Express Corp. and United Parcel Service, Inc. are building workhorse applications for the World Wide Web that, in some cases, are...

... data on a Hypertext Markup Language form and print it, along with a freshly generated bar code, on a local laser printer. They can then send electronic mail to a courier to schedule pickup.

Internet services are also helping package carriers slash support...

...few months plans to introduce "prealerts" on the Web for cash-on-delivery packages. RPS will notify customers via Internet mail regarding how much an incoming package will cost at delivery and...

COMPANY NAMES:

Federal Express Corp

10/6,K/2 (Item 1 from file: 9)  
DIALOG(R)File 9:(c) 2003 Resp. DB Svcs. All rts. reserv.

01214706 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Postal Service working to deliver electronic commerce and other new mail services

June 12, 1995

WORD COUNT: 818

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:

...tested in Orlando as part of Time Warner Cable's Full Service Network, which uses USPS to deliver goods ordered through the network's electronic shopping mall. Full text discusses projects under development. Sidebar articles detail USPS market data and a proposed international business mail unit to compete with private domestic carriers...

TEXT:

...to secure a foothold in the future of electronic communication. With those goals in mind, USPS is piloting five new projects ranging from electronic commerce to computers capable of reading illegible handwriting.

Since 1987 USPS has funneled \$2.6 billion into automated mailing systems and capital assets. The money for...

...totaled \$49.4 billion, an increase of 3.8 percent over 1993. Despite the increase, USPS still lost \$914 million. Bridging that shortfall depends on attracting profitable business services.

The "electronic...

...the network's electronic shopping mall.

Robert Reisner, vice president for the technology applications, explains USPS 's determination to become leader in on-line business. "What this is going to do...

...another and information about health services.

"Reply Card Scanning," a hybrid of hard copy and electronic mail . Reply card scanning enables businesses to receive direct response mail 12 to 18 hours after a customer mails it. Testing began last fall between USPS and a Boulder, Colo., magazine subscription company.

"Remote Bar Coding." The technology reads illegible handwritten...

...computer capable of reading the images and matching them with the most likely address.

"Reply Notification Service." Also known as "the check is in the Mail," RNS uses a bar code printed on bill payments or remittance envelopes to electronically notify subscribing businesses once the letter enters the automated mail stream.

USPS Forms International Unit

Postmaster General Marvin T. Runyoin announced June 6 that the U.S...

...to 60 cents and all international rates will of up approximately 10 percent.

Postal Facts

USPS processed 177 billion pieces of mail last year, or 40 percent of the world's...

...to 25,000 daily commercial flights.

Total revenue in 1994 was \$49 billion. Since 1982 USPS has depended on postage and fees for its revenue instead of taxes.

Each one cent increase in the price of gasoline costs USPS \$1 million.

USPS has a monopoly on first-class mail. It competes with private carriers in all other mail classes.

Value of USPS 's seven product lines: correspondence & transactions, \$24.5 billion; business advertising, \$12.7 billion; expedited...

...billion; international mail, \$1.4 billion; publications delivery: \$1.7 billion; retail:\$3 billion.

(Source: USPS )

10/6,K/3 (Item 1 from file: 610)  
DIALOG(R)File 610:(c) 2003 Business Wire. All rts. reserv.

00441988 20010116016B0446 (USE FORMAT 7 FOR FULLTEXT)  
New iShipViking.com Web Site Makes Freight Shipping Easieriking Freight's  
Suite of E-tools Now Includes a Secure Personalized Web Site and Email  
Delivery Notification  
Tuesday, January 16, 2001 08:15 EST  
WORD COUNT: 990

...s Suite of E-tools Now Includes a Secure Personalized Web Site and Email  
Delivery Notification

## TEXT:

...iShipViking.com and other e-tools including a bill of lading generator and email delivery notification to make freight shipping easier and bring customers closer to their own account information.

## Transportation...

...multiple consignees without having to do time-consuming manual input of multiple addresses.

## Email Delivery Notification

Viking gains a competitive edge against other Western regional LTL carriers by offering its customers email delivery notification. This powerful new tool works in conjunction with Viking's web-based tracing function, its...

...and, if the shipment has not been delivered yet, he can request an email delivery notification for up to three addresses. When the delivery is completed, the Viking driver scans the shipment's bar code. This data is then wirelessly transmitted to Viking's computer system and the email message...

...COMPANY NAMES: FEDERAL EXPRESS CORP  
INDUSTRY NAMES: ELECTRONIC MAIL ;

10/6,K/4 (Item 1 from file: 275)  
DIALOG(R)File 275:(c) 2003 The Gale Group. All rts. reserv.

01702317 SUPPLIER NUMBER: 16241868 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Nexpo, II: electronic delivery, output, digital photography, image databases. (report on Nexpo 1994 conference) (includes color photo insert comparing image quality of output from four digital cameras)  
August 15, 1994  
WORD COUNT: 39427 LINE COUNT: 03014

... week demands inhouse production equipment and cost-effective transmission to compete with the current velox- Federal Express approach.

Regional advertisers, such as Carter Hawley Hale, financial institutions and airlines need quick turnaround...

...need to have PostScript and one more) and the AP's bidding to become the Federal Express of electronic delivery.

At this point, though, we need to ask a different question: Do...

...cheap enough? Digital delivery by nature offers cheaper pricing and later deadlines than conventional velox- Federal Express delivery systems. When the competitive advantages are factored in, the decision becomes even more nebulous...when and if everyone switches to AP and there is no more competition other than Federal Express.

A few vendors asked if there is a level playing field for vendors other than...using standard phone lines (at slower speeds) and a basic bbs-type service. AP will notify the newspapers by fax when there is an ad waiting for them on the bbs...client software. Offline events can be tracked using a copy of the client software and bar - code readers.

The system tracks every event that happens. A bar - code reader can be attached to any client to track events for each ad.

A new...

...the newspaper and worked back for the press deadlines. These features also support an escalating notification hierarchy and can be linked to

almost any voice-mail, paging or other system accessible...text, photos and graphics. Page layout and advertisements can also be transmitted. NewsCom also offers electronic mail, conferencing and bulletin boards. (See section of color pages for views of its screen.)

Information...graphics between sites; group communications; file protocol conversion; and transmission timing.

Its newswire facility provides notification of the receipt of urgent stories meeting predetermined criteria; search and retrieval of text items ...recording speeds at 1,000 dpi and both offer punching capabilities.

ITS learns to read bar code

Integrated Technologies Solutions offers a no-holds-barred connection machine, called a Page Image Buffer...

...and management business. To automate this process ITS has taught the PIB to read a bar code usually found on pages in modern newspaper systems. It then reports the ascii characters back...

...pages are sent during a short period of time at deadline. Stopping to enter the bar - code number is a time-consuming extra step.

ITS takes a predefined area of the page, looks for the bar - code information in raster format and converts it to the ascii character codes spelling out the...manages about 500 scans an hour. Once images are digitized, a contact sheet with a bar code for each image is generated and given to the client to supply textual information for...

10/6,K/5 (Item 2 from file: 275)  
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01438522 SUPPLIER NUMBER: 10846860 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Product listings.  
May-June, 1991  
WORD COUNT: 7516 LINE COUNT: 00672

... of hardware and software to detect and analyze events, WatchMan gives you several options for notification and response, including displaying messages on terminals, placing telephone calls, broadcasting messages over public address...

...existing forms or design new ones that are easily updated and never out of stock.

Electronic Mail

Message Transport Systems (800) 548-5701 (801) 943-9934 Fax: (801) 943-9954

FaxMate\*

Send...definition and manufacturing planning and control. Operates in either a centralized or distributed environment. Includes bar code data capture.

INTERTEC Diversified Systems, Inc. (800) 872-7997 Continental U.S.  
(800) 872-7979...along with detailed reports necessary to claim significant postage presort discounts. Continually updated to latest USPS specifications.

Program Development

Wesson, Taylor, Wells & Associates, Inc. (800) 833-2891 Fax: (803) 699-5791...

10/6,K/6 (Item 1 from file: 636)  
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03948253 Supplier Number: 50272217 (USE FORMAT 7 FOR FULLTEXT)  
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PRODUCT NAMES: 3579000 (Business Machines NEC); 7372605 ( Electronic Mail Software)

10/6,K/7 (Item 1 from file: 16)

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05782961 Supplier Number: 50272217 (USE FORMAT 7 FOR FULLTEXT)

Pitney Bowes Takes On UPS In Net Document Delivery 08/24/98

August 24, 1998

Word Count: 705

(USE FORMAT 7 FOR FULLTEXT)

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... at the UPS's of the world.

iSend combines the availability of e-mail for notification with the more robust file transfer capabilities of the Web, Pitney Bowes said. The service...

...Earlier this month, Cylink Corp. said it secured a contract with the US Postal Service ( USPS ) for the supply of its public key infrastructure (PKI) technology (Newsbytes, Aug. 14, 1998). Plans call for the USPS to allow customers to pay for and download, via the Internet, "postage stamps" that will take the form of a two-dimensional bar code and will be printed on the user's envelope.

But Pitney Bowes may have the...

PRODUCT NAMES: 3579000 (Business Machines NEC); 7372605 ( Electronic Mail Software)

10/6,K/8 (Item 2 from file: 16)

DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.

04765758 Supplier Number: 47015698 (USE FORMAT 7 FOR FULLTEXT)

Couriers deliver new 'net services

Jan 6, 1997

Word Count: 579

Rivals such as Federal Express Corp. and United Parcel Service , Inc. are building workhorse applications for the World Wide Web that, in some cases, are...

...data on a Hypertext Markup Language form and print it, along with a freshly generated bar code , on a local laser printer. They can then send electronic mail to a courier to schedule pickup.

Internet services are also helping package carriers slash support...

...plans to introduce "pre-alerts" on the Web for cash-on-delivery packages. RPS will notify customers via Internet mail regarding how much an incoming package will cost at delivery and...

COMPANY NAMES: Federal Express Corp.; United Parcel Service of America Inc.

10/6,K/9 (Item 3 from file: 16)  
DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.

03892136 Supplier Number: 45602405 (USE FORMAT 7 FOR FULLTEXT)  
Postal Service working to deliver electronic commerce and other new mail services  
June 12, 1995  
Word Count: 832

... to secure a foothold in the future of electronic communication. With those goals in mind, USPS is piloting five new projects ranging from electronic commerce to computers capable of reading illegible handwriting. Since 1987 USPS has funneled \$2.6 billion into automated mailing systems and capital assets. The money for...

...totaled \$49.4 billion, an increase of 3.8 percent over 1993. Despite the increase, USPS still lost \$914 million. Bridging that shortfall depends on attracting profitable business services.  
The "electronic...

...through the network's electronic shopping mall.  
Robert Reisner, vice president for technology applications, explains USPS 's determination to become a leader in on-line business. "What this is going to...  
...another an information about health services.  
"Reply Card Scanning," a hybrid of hard copy and electronic mail . Reply card scanning enables businesses to receive direct response mail 12 to 18 hours after a customer mails it. Testing began last fall between USPS and a Boulder, Colo., magazine subscription company.  
"Remote Bar Coding." The technology reads illegible handwritten...

...computer capable of reading the images and matching them with the most likely address.  
"Reply Notification Service." Also known as "the Check is in the Mail," RNS uses a bar code printed on bill payments or remittance envelopes to electronically notify subscribing businesses once the letter enters the automated mail stream.

USPS Forms International Unit

Postmaster General Marvin T. Runyon announced June 6 that the U.S...

...to 60 cents and all international rates will go up approximately 10 percent.

Postal Facts

\* USPS processed 177 billion pieces of mail last year, or 40 percent of the world's...

...to 25,000 daily commercial flights.

\* Total revenue in 1994 was \$49 billion. Since 1982 USPS has depended on postage and fees for its revenue instead of taxes.

\* Each one cent increase in the price of gasoline costs USPS \$1 million.

\* USPS has a monopoly on first-class mail. It competes with private carriers in all other mail classes.

\* Value of USPS 's seven product lines: correspondence & transactions, \$24.5 billion; business advertising, \$12.7 billion; expedited ...

10/6,K/10 (Item 4 from file: 16)  
DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.

03250765 Supplier Number: 44470331 (USE FORMAT 7 FOR FULLTEXT)  
Warehousemen say legislation to limit employee surveillance could dampen  
productivity  
Feb 28, 1994  
Word Count: 1238

... legislation now making its way through the House and Senate seeks  
to force employers to notify workers of corporate snooping, restrict its  
random use and outlaw it altogether in private areas...

...goods around large warehouses without driving several minutes to a  
control station for new directions. Bar code scanners can monitor a  
pallet-building process. Management reports based on computer entries made  
remotely...

...MacWorld magazine concluded that 20 million people work at places where  
managers routinely read their electronic mail, audit personal files and  
sort through private computer activities. Sixty-five percent of the bosses  
...

...worker's activity each time it's used. The bills do, however, require  
employers to notify workers in writing what methods will be used when and  
for how long.

It also...those affected agree.

The legislation 'will challenge the ability to provide what our  
customers expect,' Federal Express manager of personnel administration  
Kathy Starkey said at a recent panel discussion on the issue...

10/6,K/11 (Item 1 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

09653835 SUPPLIER NUMBER: 19039609 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Couriers deliver new 'net services. (Federal Express, United Parcel  
Service, others offering services via the Web) (Company Business and  
Marketing)  
Jan 6, 1997  
WORD COUNT: 614 LINE COUNT: 00050

Couriers deliver new 'net services. (Federal Express, United Parcel  
Service, others offering services via the Web) (Company Business and  
Marketing)

ABSTRACT: Leading couriers such as Federal Express (FedEx) and United  
Parcel Service (UPS) are rapidly expanding their Web-based services,  
offering advanced package-tracking applications and tools...

Rivals such as Federal Express Corp. and United Parcel  
Service, Inc. are building workhorse applications for the World Wide Web  
that, in some cases, are...

...data on a Hypertext Markup Language form and print it, along with a  
freshly generated bar code, on a local laser printer. They can then  
send electronic mail to a courier to schedule pickup.

Internet services are also helping package carriers slash support...

...plans to introduce "pre-alerts" on the Web for cash-on-delivery  
packages. RPS will notify customers via Internet mail regarding how much  
an incoming package will cost at delivery and...

COMPANY NAMES: Federal Express Corp...

... United Parcel Service of America Inc



10/6,K/12 (Item 2 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

06504444 SUPPLIER NUMBER: 14175197 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Software packages get more sophisticated. (Directory)  
May 15, 1993  
WORD COUNT: 6365 LINE COUNT: 00565

...ABSTRACT: processing and purchasing. In addition, some software packages have applications in electronic data interchange and bar code scanning. To help food distributors familiarize themselves with the new software packages, a directory of...  
... data interchange (EDI) with suppliers and customers, interfaces for DSR laptops and pen computers, and bar - code scanning for the warehouse.  
In addition, a shift is taking place to programs that offer...

...and material-handling options, as well as PC-based packages for inventory control, RF communications, bar - code scanning, and sales-territory analysis.

#### I. INTEGRATED MANAGEMENT PACKAGES

ACCUTECH COMPUTER SYSTEMS LTD. 1730 St...purchase-order system designed for use as standalone or in a multi-user network environment. Bar - code module prints labels for inventory receiving and bar - code order sheets. Remote laptop system available. Standard features include unlimited pricing levels, catchweights, tracking cash...

...tablecloth, MUA, Nat. chain accounts, C-stores, AR files, Menu Planner, suggested order calculation, and electronic mail. Hardware required: Any IBM compatible laptop or desktop with 256K system memory and hard drive ...

...files on an IBM host. Digitally recorded voice prompts direct users in sending data and notify them of host acceptance. Data can be resent if transmission is incomplete. Hardware: supports any...inventories. Hardware required: ADEPT Processor for network file server and host communications controller, report printer, bar - code label printer, forklift-mounted RF bar - code readers, portable handheld RF bar - code readers, and RF base station/controller.

ADSCAN Data-collection/management system allows a company to...  
Hardware required: IBM PC compatible, DEC VAX, HP 9000, IBM RS6000.

ROADNET TECHNOLOGIES, INC. A United Parcel Service Co. 2311 York Rd. Timonium, Md. 21093 (800) ROADNET FAX: (301) 560-4328 Contact: Amy...

10/6,K/13 (Item 3 from file: 148)  
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

05511302 SUPPLIER NUMBER: 11534273 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Linkages and distribution. (distribution function of apparel manufacturing business)  
Oct, 1991  
WORD COUNT: 1656 LINE COUNT: 00132

... than paper messages, is rapidly replacing the other methods of communication demand. EDI differs from electronic mail and fax machines in that it is not free text in readable form. It is...

...center, it is batched and printed that night.

Taking external linkages one step further, a notification of shipment must then be communicated to the customer. This is the most important external...

...an ASN (advance ship notice) to many of its customers. Since shipping

cartons contains a bar code , the customer can receive the shipment by merely scanning the cartons when they arrive. This...goods, some type of automatic identification is required. Red Kap uses a 3 of 9s bar code to identify each carton of goods. The bar coded label is a license plate that...

...transportation. Red Kap receives routing files with routes and costs by carrier. The company utilizes United Parcel Service , which accepts the computer generated manifest, allowing the invoice to be priced complete without having...

?

8/9/17 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

03746297 (THIS IS THE FULLTEXT)  
Fedex Expands Global Shipping Capabilities Via the Internet From 58  
Countries  
BUSINESS WIRE  
December 14, 1998  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1322

MEMPHIS, Tenn.--(BUSINESS WIRE)--December 14, 1998--  
-- The First Web-Based Shipping Application Now Processes  
Shipments Even Faster--

Federal Express Corp. (FedEx) has enhanced FedEx interNetShip(R), the world's first Internet-based shipping application, to enable its customers in many countries to arrange shipments more quickly and conveniently through fast, customized features at its Web site, www.fedex.com. The global site also offers the online shipping capability to customers in select countries who prefer to transact business in Japanese, Spanish or French.

"FedEx has thrown open the gates to electronic commerce throughout the world," said Dennis H. Jones, executive vice president and CIO of FDX Corp. "Through FedEx interNetShip(R), businesses of any size in 58 countries can sell and source globally on the Internet. Since FedEx first entered electronic commerce 15 years ago, every technological innovation we've introduced has been with customer convenience and value in mind. This version of FedEx interNetShip continues that industry-leading legacy.

"Global supply chain connectivity can easily be facilitated by combining this upgraded version of FedEx interNetShip along with the FedEx Web API tool set," added Jones.

With documents for more than four million shipments prepared and over 150,000 registered users since the introduction of FedEx interNetShip in 1996, FedEx has taken a major step forward in online shipping applications by incorporating new features that deliver quick, convenient access to commonly used tools. Customers can now rely on the FedEx interNetShip User ID Profile to automatically recall and enter their ID and FedEx account number, so they no longer need to commit them to memory or to take the time to look them up for each use.

In addition, customers can now save time through the FedEx interNetShip customized shipping feature, enabling shippers to set default controls for automatic access to frequently used information. Additional enhancements include:

- Address book: shippers can store up to 75 frequently used addresses for quicker printing of shipping labels and air waybills with the online address book

- FedEx Ship Alert: allows customers to pre-alert up to three separate e-mail addresses so that recipients or others can monitor the status of delivery in real-time

- Online courier dispatch: customers can request a courier to pick

- up a shipment while they are online instead of calling to schedule a pickup

- Shipping history: shippers can go back as far as 45 days to obtain archived information on a package

- System requirements: the solution supports Microsoft Internet Explorer 3.0 and above, as well as Netscape 2.0 and above; no additional software is needed

About FedEx Federal Express, a subsidiary of FDX Corp., connects areas that generate 90% of the world's gross domestic product in 24-48 hours with door-to-door, customs-cleared service and a money-back guarantee. The company's unmatched air route authorities and infrastructure make it the world's largest express transportation company, providing fast, reliable

and time-definite transportation of more than 3 million items to 211 countries each working day. FedEx employs more than 142,000 employees and has more than 44,700 drop-off locations, 615 aircraft and 40,900 vehicles in its integrated global network. The company maintains electronic connections with more than a million customers via FedEx Powership(R), FedEx Ship(R) and FedEx interNetShip(R). Federal Express reported revenues of \$13.3 billion for its fiscal year ended May 31, 1998. FDX Corp., a \$16 billion holding company, provides comprehensive transportation, logistics, and supply chain management solutions on a worldwide scale. FDX Corp.'s primary operating subsidiaries are Federal Express Corp., the world's largest express transportation company; RPS Inc., a business-to-business ground package carrier; Roberts Express Inc., a critical-shipment carrier; Viking Freight Inc., a less-than-truckload carrier operating principally in the western United States; Caliber Logistics Inc., a contract logistics provider; and Caliber Technology Inc., a supplier of information services.

NOTE TO EDITORS: Federal Express press releases are available on the World Wide Web at <http://www.fedex.com>.

#### FedEx Technology at a Glance

Between scanned and tracking queries, FedEx processes a remarkable 63 million electronic transmissions per day.

COSMOS(R): The information network that tracks the movement of every shipment in the FedEx system. In a typical month, customers tapped into COSMOS via the Internet more than 2 million times for an update on shipment status. COSMOS = Customer Oriented Service and Management Operating System

SuperTracker: This handheld scanner captures information on each FedEx package with a quick scan of the package's unique bar code. Each package receives up to 10 scans from pickup to delivery pinpointing the real-time status of the package en route. New technology will address the problem of incorrectly addressed packages by letting couriers verify addresses at the time of pickup.

DADS: Upon returning to their vans, couriers insert the SuperTracker into a DADS unit, and within seconds, that package information is in COSMOS and instantly available to FedEx and customers alike. The wireless DADS terminals - which make up one of the largest private radio networks in the country - also alert couriers to their next pickup. DADS = Digitally Assisted Dispatch System

ASTRA: The official name for the unique bar code on every FedEx shipment, generated when customers use FedEx electronic shipping systems or when packages enter the FedEx system. Encoded on the label are things like destination, service requested, commitment time. In a FedEx hub, the ASTRA label aids in correct sorting and routing. ASTRA = Automated Sorting Tracking Routing Aid

FedEx PowerShip(R): Electronic shipping system customers use in a centralized office location to save time, increase accuracy and better manage their shipping. Systems let customers conveniently process shipments without a multi-PLY airbill, track shipment status, keep a shipping log, store recipient addresses and more. If customers prefer to ship from their desktop, they can do these things on their PC with free FedEx Ship(R) software or process shipments on the Internet with FedEx interNetShip(R).

FedEx Expressclear SM: Exclusive FedEx electronic customs-clearance technology initiates regulatory clearance while shipments are en route. By transmitting documentation to regulatory officials in advance, FedEx expedites the clearance process and mitigates issues that could cause delays. FedEx has implemented advanced electronic links with regulatory authorities throughout the world.

#### WWW.FEDEX.COM CHRONOLOGY

-----  
11/94 Launched the site with two interactive features:

WorldwideTracking and Delivery Options for services in the U.S.

-----  
3/95 Added Email tracking capability

4/95 Added capability to download FedEx Ship for Windows and  
FedEx Tracking for DOS and Windows

-----  
7/95 FedEx Ship for Macintosh available for download

2/96 Canadian site added. Includes French and English language  
content.  
Also, loaded Drop-Off Locator for Canadian customers

-----  
4/96 Began beta test for interNetShip, a web-based shipping  
option

-----  
4/96 Launched Logistics Learning Lab site, an interactive logistics  
information resource - 6/96 Added comprehensive Government shipping pages  
to support the FedEx Government contract - 7/96 Official launch of  
interNetShip, the first online shipping

option which includes the capability to generate a unique  
bar-coded shipping label and to dispatch a courier to pick  
up the shipment

-----  
7/96 Connections page added to support business partners using FedEx in  
their electronic commerce applications - 8/96 Launched Drop-Off Locator for  
U.S. locations (text only) - 8/96 Added Invoice Adjustment request function  
- 9/96 FedEx Ship Alert added to interNetShip. Provides automatic

notification of shipment to the sender, recipient and  
other parties via email

Copyright 1998 Business Wire. Source: World Reporter (Trade Mark).

COUNTRY NAMES/CODES: United States of America (US)

REGIONS: Americas; North America; Pacific Rim

PROVINCE/STATE: Tennessee

SIC CODES/DESCRIPTIONS: 4500 (Transportation by Air)

8/6,K/2 (Item 1 from file: 810)  
DIALOG(R)File 810:(c) 1999 Business Wire . All rts. reserv.

0951722 BW1399

FEDERAL EXPRESS: Fedex Expands Global Shipping Capabilities Via the  
Internet From 58 Countries

December 14, 1998

FEDERAL EXPRESS :

...WIRE)--December 14, 1998--

-- The First Web-Based Shipping Application Now Processes  
Shipments Even Faster--

Federal Express Corp. (FedEx) has enhanced FedEx interNetShip(R),  
the world's first Internet-based shipping application...

...has taken a major step forward in online  
shipping applications by incorporating new features that deliver  
quick, convenient access to commonly used tools. Customers can now  
rely on the FedEx interNetShip...

...shippers to set  
default controls for automatic access to frequently used information.  
Additional enhancements include:

- Address book: shippers can store up to 75 frequently used  
addresses for quicker printing of shipping labels and air  
waybills with the online address book
- FedEx Ship Alert: allows customers to pre-alert up to three  
separate e-mail addresses so that recipients or others can  
monitor the status of delivery in real-time...

...as well as Netscape 2.0 and above;  
no additional software is needed

About FedEx

Federal Express, a subsidiary of FDX Corp., connects areas that  
generate 90% of the world's gross...

...than a million customers  
via FedEx Powership(R), FedEx Ship(R) and FedEx interNetShip(R).

Federal Express reported revenues of \$13.3 billion for its fiscal year  
ended May 31, 1998.

FDX...

...supply chain management solutions on a  
worldwide scale. FDX Corp.'s primary operating subsidiaries are  
Federal Express Corp., the world's largest express transportation  
company: RPS Inc., a business-to-business ground...

...contract logistics  
provider; and Caliber Technology Inc., a supplier of information  
services.

NOTE TO EDITORS: Federal Express press releases are available on  
the World Wide Web at <http://www.fedex.com>.

FedEx...

...captures information on each  
FedEx package with a quick scan of the package's unique bar code. Each  
package receives up to 10 scans from pickup to delivery pinpointing  
the real-time status of the package en route. New technology will  
address the problem of incorrectly addressed packages by letting  
couriers verify addresses at the time of...

...also alert

couriers to their next pickup.

DADS Digitally Assisted Dispatch System

ASTRA: The official name for the unique bar code on every FedEx shipment, generated when customers use FedEx electronic shipping systems or when packages...Added Invoice Adjustment request function

-----  
9/96 FedEx Ship Alert added to interNetShip. Provides automatic notification of shipment to the sender, recipient and other parties via email  
-----

-----  
9/96 Advertisement rotation...  
-----

...7/97 Italian and Dutch language sites added  
-----

-----  
9/97 interNetShip 3.0 -provides an address book to store frequently shipped to locations; extended the scope of international shipping (38 countries...  
-----

...launch of Latin America  
country pages (58 countries can ship to 185)

CONTACT: Sally Davenport  
Federal Express  
(901) 395-3466

KEYWORD: TENNESSEE

INDUSTRY KEYWORD: INTERACTIVE/MULTIMEDIA/INTERNET TRANSPORTATION  
COMPUTERS/ELECTRONICS COMED TELECOMMUNICATIONS...

6/9/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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02313054 SUPPLIER NUMBER: 55154018 (THIS IS THE FULL TEXT)  
As they might say in France: Vive l'e-mail! (the US Postal Service, Canada  
Post and France's La Poste Post Electronic Courier Service) (Company  
Business and Marketing)  
JACKSON, WILLIAM  
Government Computer News, 18, 21, 1  
July 12, 1999  
ISSN: 0738-4300 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 696 LINE COUNT: 00061

TEXT:

Finding its monopoly on paper mail delivery eroded by electronic messaging, the Postal Service has joined forces with the post offices of Canada and France to roll out a certified Internet mail delivery service.

USPS, Canada Post and France's La Poste have been testing the Post Electronic Courier Service (PostECS) for about a year. The three national organizations have a contract with Tumbleweed Software Corp. to use the Redwood City, Calif., company's Tumbleweed Integrated Messaging Exchange engine.

Tumbleweed IME, when integrated with the Electronic Postmark Service developed by USPS, provides a tamper-resistant time and date stamp for electronic documents, USPS officials said. The other postal services are licensing EPS from the Postal Service. The applications operate separately through Web servers at data centers in San Mateo, Calif., Ottawa and Paris.

La Poste has announced it expects to launch the service next year; Canadian officials said they might launch theirs earlier. SPS is offering free trials of PostECS on its Web site, at [www.usps.gov](http://www.usps.gov), but has not set a full release date.

"It's still in test, and I don't know how much longer it's going to run," a USPS spokesman said.

The three postal services developed PostECS under the auspices of the International Post Corp., an umbrella organization of national postal agencies. IPC is working on standards for certified electronic messaging.

Paper preference

Although faxes and e-mail have overtaken physical mail in volume, paper documents still are preferred for security and legal purposes, postal officials said. PostECS is an attempt to forestall further erosion of postal business by marketing authentication and transmission technologies for secure, legally binding electronic documents.

PostECS relies on a secure Web server for document handling; e-mail is used only for notification. Users upload and access documents through any Web browser that can support Secure Sockets Layer encryption.

"The trick isn't making it secure from end to end but finding a way to make it work for everybody," said Mark Pastore, Tumbleweed's vice president of corporate development.

Because much of e-mail's functionality resides in the client messaging software and because there is so much variation in brands and versions, the postal organizations concluded that it would be too difficult to transfer messages securely and track them. "The security standards in Web browsers are more evolved," Pastore said.

To use the service, a sender with an account logs on to the PostECS Web site, establishes a secure session and uploads the documents to be sent, along with the recipient's e-mail address.

PostECS generates an e-mail to the recipient containing the uniform resource locator where the documents can be accessed. The sender has the option of requiring a password to access the document, and the password goes to the recipient by another route.

USPS selected Tumbleweed IME for PostECS in part for scalability reasons. Its Common Object Request Broker Architecture incorporates numerous multithreaded objects to handle management, delivery and accounting on multiprocessor servers. IME's 18 components for the database,



e-mail server and Web server portions can run on up to three systems to deliver large numbers of files simultaneously.

Tumbleweed IME is optimized for Sun Microsystems hardware, and each PostECS data center runs it on a Sparc server under SunSoft Solaris. Other software includes the Oracle8 database manager and the Netscape Enterprise HTTP Server.

SSL encrypts the data between Web client and server. On the server, documents can be encrypted separately using symmetric algorithms from RSA Data Security Inc. of Redwood City, Calif.

How PostECS works

- \* The sender establishes an account and logs on with user name and password from any Web browser supporting SSL.

- \* The sender enters the recipient e-mail addresses or mailing lists, writes a message, if desired, and selects files for delivery. Sending options include priority, encryption, receipt notification, expiration date, delivery date, billing code, password, secure communication and electronic postmark.

- \* After pressing the Send button, the sender can track the transfer and status of all messages that came from the account.

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COMPANY NAMES: Tumbleweed Software Corp.--Contracts

GEOGRAPHIC CODES/NAMES: 1USA United States; 1CANA Canada; 4EUFR France

DESCRIPTORS: E-mail; Contract agreement

EVENT CODES/NAMES: 610 Contracts & orders received; 460 Use of materials & supplies

PRODUCT/INDUSTRY NAMES: 7372605 (Electronic Mail Software); 9108381 (Postal Services)

NAICS CODES: 51121 Software Publishers; 92613 Regulation and

Administration of Communications, Electric, Gas, and Other Utilities

TRADE NAMES: Tumbleweed Integrated Messaging Exchange (E-mail)--Contracts

FILE SEGMENT: CD File 275

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6/6,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:(c) 2003 The Gale Group. All rts. reserv.

02313054 SUPPLIER NUMBER: 55154018 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
As they might say in France: Vive l'e-mail!(the US Postal Service, Canada  
Post and France's La Poste Post Electronic Courier Service) (Company  
Business and Marketing)  
July 12, 1999  
WORD COUNT: 696 LINE COUNT: 00061

As they might say in France: Vive l'e-mail!(the US Postal Service,  
Canada Post and France's La Poste Post Electronic Courier  
Service) (Company Business and Marketing)

TEXT:

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national organizations have a contract...

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Tumbleweed IME, when integrated with the Electronic Postmark Service  
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...secure session and uploads the documents to be sent, along with the  
recipient's e-mail address.

PostECS generates an e-mail to the recipient containing the uniform  
resource locator where the documents can be accessed. The...

...password to access the document, and the password goes to the recipient  
by another route.

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reasons. Its Common Object Request Broker...

...management, delivery and accounting on multiprocessor servers. IME's 18 components for the database, e- mail server and Web server portions can run on up to three systems to deliver large numbers of files simultaneously.

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...City, Calif.

How PostECS works

- \* The sender establishes an account and logs on with user name and password from any Web browser supporting SSL.

- \* The sender enters the recipient e- mail addresses or mailing lists, writes a message, if desired, and selects files for delivery. Sending options include priority, encryption, receipt notification , expiration date, delivery date, billing code, password, secure communication and electronic postmark.

- \* After pressing the...

DESCRIPTORS: E- mail ;

PRODUCT/INDUSTRY NAMES: 7372605 (Electronic Mail Software...

...9108381 ( Postal Services)

TRADE NAMES: Tumbleweed Integrated Messaging Exchange (E- mail )--

Set	Items	Description
S1	5895882	MAIL OR POST OR POSTAL OR PARCEL
S2	459082	S1 AND DELIVER
S3	19620	S2 AND NAME AND ADDRESS
S4	1588	S3 AND (NOTIFICATION OR NOTIFY)
S5	74	S4 AND (DATA-CENTER OR DATA(W) CENTER)
S6	5	S5 AND (FEDERAL(W) EXPRESS OR AIRBORNE OR UNITED(W) PARCEL(W- ) SERVICE OR DHL OR USPS)
S7	98	S4 AND (FEDERAL(W) EXPRESS OR AIRBORNE OR UNITED(W) PARCEL(W- ) SERVICE OR DHL OR USPS)
S8	17	S7 AND BAR(W) CODE
S9	125	(FEDERAL(W) EXPRESS OR AIRBORNE OR UNITED(W) PARCEL(W) SERVICE OR DHL OR USPS) AND (NOTIFICATION OR NOTIFY) AND (E-MAIL OR - ELECTRONIC(W) MAIL)
S10	13	S9 AND BAR(W) CODE
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